

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Claims 1-68 (canceled)

69. (new) A position information management system, comprising:
a first terminal for transmitting a location indicator to a center;
said center for managing information about a location of the first terminal; and
a second terminal for requesting from the center the location indicator of the first terminal, wherein said first terminal comprises:
an acquiring device for acquiring the location indicators each specifying the location of the first terminal itself using a position determination system of a pre-assigned type; and
a reporting device for transmitting the location indicators to the center, respectively, at times separated by a prescribed time interval or when so requested by the center,
said center comprises:
a history accumulating device for storing the location indicators the first terminal transmits to the center in a log form;
a determination device for determining a capability of the first terminal to receive a location indicator transmission request to be transmitted from the center every time when the center receives a request for transmission of the location indicator of the first terminal from the second terminal;
an advising device for transmitting the location indicator transmission request to the first terminal when the determination device has determined the first terminal is capable of receiving the location indicator transmission request and transmitting the location indicator received from the first terminal to the second terminal or composing a location indicator of the first terminal by making an estimation based on the location indicators stored in the log form when the determination device has determined the first terminal is not capable of receiving the location indicator transmission request and transmitting the location indicator composed based on the estimation to the second terminal, and
said second terminal comprising;

a request transmission device for transmitting a first-terminal's location indicator transmission request to the center; and

a display device for displaying information corresponding to the location indicator of the first terminal the second terminal receives from the center, wherein, further,

the request transmission device constituting the second terminal transmits a monitoring area for specifying an area within which a change in location of the first terminal is monitored,

the determination device constituting the center determines if the first terminal has stationed at one location for a pre-assigned length of time based on data stored in the log form and if not, then, if the first terminal is located within the monitoring area; and

the advising device constituting the center assumes when the determination device determines the first terminal having stationed at an one location within the monitoring area for the pre-assigned length of time, as an unusual situation has happened with a holder of the first terminal and transmits a warning signal to the second terminal.

70. (new) The position information management system according to claim 69, wherein the advising device constituting the center transmits to the second terminal an advice indicating that the first terminal is unable to receive the location indicator transmission request issued by the center together with the location indicator composed by the estimation when the determination device has determined the first terminal being not capable of receiving the location indicator transmission request.

71. (new) The position information management system according to claim 69, wherein:

the request transmission device constituting the second terminal transmits, further, a monitoring period specifying a period in dates and hours for which the monitoring of the first terminal's location has to be exercised;

the determination device constituting the center determines if the first terminal has stationed at one location for a pre-assigned length of time based on data Stored in the log form and, further, if it is currently within the monitoring period, and

the advising device constituting the center assumes, when the determination device determines that the first terminal has stationed at any one location for the pre-assigned length of time and that it is currently within the monitoring period, as an unusual situation has happened with a holder of the first terminal and transmits a warning signal to the second terminal.

72. (new) The position information management system according to claim 69, wherein, further:

the request transmission device constituting the second terminal transmits to the center an immobile period with respect to the period of the first terminal having stationed at one location;

the determination device constituting the center compares length of the period of the first terminal having stationed at any one location based on data stored in the log form to the length of the immobile period; and

the advising device constituting the center, assumes, when the determination device determines the first terminal having stationed at any one location for a period equal to or longer than the Immobile period, as an unusual situation has happened with a holder of the first terminal and transmits a warning signal to the second terminal.

73. (new) The position information management system according to claim 69, wherein:

the acquiring device constituting the first terminal is configured in such a manner that the acquiring device is capable of acquiring the location indicators using any of a plurality of pre-assigned different type position determination systems and of switching, whenever the acquiring device becomes unable to use one of the systems, automatically from the unusable system to another for acquiring the location indicator correspondent to the time of acquisition.

74. (new) The position information management system according to claim 73, wherein:

the acquiring device constituting the first terminal finds a system usable for acquiring the location indicator among the different type position determination systems by automatically determining usability of each position determination system in the descending order of the obtained location indicator accuracy associated respectively with the position determination systems until finding a usable system when switching from one to another with respect to the position determination system to use.

75. (new) The position information management system according to claim 73, wherein:

the acquiring device constituting the first terminal assumes the location of the most closely located base-station among PHS or mobile phone base-stations or the location of the most closely located radio-marker as a location of the first terminal.

76. (new) A position information management apparatus, comprising:
a history accumulating device for storing the location indicators the first terminal transmits to the position information management apparatus in a log form;
a determination device for determining capability of the first terminal to receive a location indicator transmission request every time when receiving from the second terminal a request for transmission of a location indicator of the first terminal;
an advising device for transmitting a location indicator transmission request to the first terminal when the determination device has determined the first terminal is capable of receiving the location indicator transmission request and transmitting the location indicator received from the first terminal to the second terminal or composing a location indicator of the first terminal by making an estimation based on the location indicators stored in the log form when the determination device has determined the first terminal is not capable of receiving the location indicator transmission request and transmitting the location indicator composed based on the estimation to the second terminal, wherein:
the determination device determines if the first terminal has stationed at one location for a pre-assigned length of time based on data stored in the log form and if not then, if the first terminal is located within a monitoring area received from the second terminal and specifying an area within which a change in location of the first terminal is monitored; and
the advising device assumes when the determination device determines the first terminal having stationed at any one location within the monitoring area for the pre-assigned length of time as an unusual situation has happened with a holder of the first terminal and transmits a warning signal to the second terminal.

77. (new) The position information management apparatus according to claim 76, wherein the advising device transmits to the second terminal an advice indicating that the first terminal is unable to receive the location indicator transmission request issued by the position information management apparatus together with the location indicator composed by the estimation when the determination device has determined the first terminal being not capable of receiving the location Indicator transmission request.

78. (new) The position information management apparatus according to claim 76, wherein:

the determination device compares length of the period of the first terminal having stationed at any one location based on data stored in the log form to length of an immobile period received from the second terminal; and

the advising device assumes, when the determination device determines the first terminal having stationed at any one location for a period equal to or longer than the immobile period, as an unusual situation has happened with a holder of the first terminal and transmits a warning signal to the second terminal.

79. (new) An information processing terminal transmitting own location indicators to a position information management apparatus managing the location indicators, the information processing terminal comprising:

an acquiring device for acquiring the location indicators each specifying the location of the information processing terminal of itself using a pre-assigned position determination system; and

a reporting device for transmitting the location indicators to the position information management apparatus respectively at times separated by a prescribed time interval or when so requested from the position information management apparatus, wherein,

the acquiring device is configured in such a manner that the acquiring device is capable of acquiring the location indicators using a position determination system of any type among those of a pre-assigned type variety and of switching, whenever the acquiring device becomes unable to use one of the systems, automatically from the unusable system to another for acquiring the location indicator correspondent to the time of acquisition.

80. (new) The information processing terminal according to claim 79, in which the acquiring device switches the position determination system to use, automatically, from one to another by determining usability of each position determination system in the descending order of the obtained location indicator accuracy associated respectively with the position determination systems.

81. (new) The information processing terminal according to claim 79, in which the acquiring device assumes the location of the most closely located base-station among PHS or

mobile phone base-stations or the location of the most closely located radio-maker as a location of a second alternative location of the information processing terminal of itself.

82. (new) The information processing terminal according to claim 81, in which the information processing terminal acquires the location indicator indicating a location of the most closely located base-station by receiving from the position information management apparatus the location indicator indicating the location of the most closely located base-station as a consequence of the Information processing terminal issuing a signal for the most closely located base-station to receive and causing the most closely located base-station to issue a signal to the position information management apparatus.

83. (new) The information processing terminal according to claim 81, in which the information processing terminal acquires the location indicator indicating a location of the most closely located radio-marker by receiving a radio wave released from the radio-marker and deriving the latitude and longitude pair specifying the location of the radio-marker.